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## UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No.	MS1-1718US	
First Inventor	Weiss	
Reconstructed Fra	me Caching	

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Express Mail Label No. EV3 955 41687

APPLICATION ELEMENTS Mail Stop Patent Application						
	TION ELEMENTS	.	ADDRESS TO: Commissioner for Patents/P.O. Box 14			
	cerning utility patent application conte	ents.	Alexandria, VA 22313-1450			
	orm (e.g., PTO/SB/17) duplicate for fee processing)		7. CD-ROM or CD-R in duplicate, large table or			
	small entity status.		Computer Program (Appendix)  8. Nucleotide and/or Amino Acid Sequence Submission			
2. See 37 CFR 1.27			(if applicable, all necessary)			
3. Specification (preferred arrangement)	[Total Pages 44 ] ] it set forth below)		a. Computer Readable Form (CRF)			
- Descriptive title			b. Specification Sequence Listing on:			
	e to Related Applications arding Fed sponsored R & D		i. CD-ROM or CD-R (2 copies); or			
	equence listing, a table,		ii. paper			
or a computer p - Background of	program listing appendix		c. Statements verifying identity of above copies			
- Brief Summary	of the Invention					
- Brief Description	on of the Drawings (if filed)		ACCOMPANYING APPLICATION PARTS			
- Detailed Descri - Claim(s)	puon		9. Assignment Papers (cover sheet & document(s))			
- Abstract of the	Disclosure		10. 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney			
4. 🗸 Drawing(s) (35 U	J.S.C. 113) [ Total Sheets 5	] 1	11. English Translation Document (if applicable)			
Oath or Declaration	[ Total Pages 9		12. Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations			
a. Newly exec	uted (original or copy)	_	13. Preliminary Amendment			
Copy from a	prior application (37 CFR 1.63 (d))  tion/divisional with Box 18 completed	<del>d</del> )	Return Receipt Postcard (MPEP 503)			
i. <u>DELET</u>	ION OF INVENTOR(S)	,	(Should be specifically itemized)  15. Certified Copy of Priority Document(s) (if foreign priority is claimed)			
	atement attached deleting inventor(s) the prior application, see 37 CFR		Nonnublication Poquest under 35 H S C 122			
	and 1.33(b).		(b)(2)(B)(i). Applicant must attach form PTO/SB/35			
6. Application Data	Shoot Soo 27 CED 4.76		or its equivalent.			
O. L Application Data	Sheet. See 37 CFR 1.76		17 Other:			
18. If a CONTINUING APPLI	CATION, check appropriate box, and	d supply ti	the requisite information below and in a preliminary amendmen			
or in an Application Data She	eet under 37 CFR 1.76:		•			
Continuation	Divisional Continuation-in-part	(CIP)	of prior application No.:/			
Prior application information:	Examiner	_	Group Art Unit:			
			rior application, from which an oath or declaration is supplied unde			
			on or divisional application and is hereby incorporated by reference try omitted from the submitted application parts.			
	19. CORRESP					
✓ Customer Number or Bar C	ode Label 2280	ונ	or Correspondence address below			
Name						
Address						
City		St	tate Zip Code			
Country		Teleph	none Fax			
Name (Print/Type)	Brian G. Hart		Registration No. (Attorney/Agent) 44,421			
	1/6 1/100/02					
Signature	Crian Harry		Date 12/08/03			

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4			Complete if Known		
FEE TRANS	IVIIIIAI	<b>-</b> [	Application Number	Not Yet Assigned	
for EV 2	2004		Filing Date	Not Yet Assigned	
for FY 2004  Effective 10/01/2003. Patent fees are subject to annual revision.			First Named Inventor	Weiss	
			Examiner Name	Not Yet Assigned	
Applicant claims small entity status. S	See 37 CFR 1.27	<b>—</b> [	Art Unit	Not Yet Assigned	
TOTAL AMOUNT OF PAYMENT (\$) 1,432.00			Attorney Docket No.	MS1-1718US	
METHOD OF PAYMENT (check	all that apply)		FEE CALCULATION (continued)		
L-J I I L Ordor L I I''* I			ADDITIONAL FEES Entity   Small Entity		

METH	OD OF PA	YMENT (check all that	apply)	FEE CALCULATION (continued)					
Check	Credit card	Money Othe	er None	3. ADDITIONAL FEES					
✓ Depősit Account:			Large I	Entity	Small	Entity			
Deposit	Account.			Fee		Fee Code	Fee	Fee Description	E D-14
Account		12-0769		Code 1051	(\$) 130	2051		Surcharge - late filing fee or oath	Fee Paid
Number Deposit		- 8 II DII O		1052	50	2052		Surcharge - late provisional filing fee or	$\vdash$
Account Name	LE	ee & Hayes, PLLC		1				cover sheet	$\vdash$
	s authorized to	o: (check <u>all t</u> hat apply)		1053	130	1053		Non-English specification	<b>—</b>
✓ Charge fee	e(s) indicated be	elow	verpayments	4	2,520	1812	•	For filing a request for ex parte reexamination	$\vdash$
✓ Charge an	y additional fee	(s) or any underpayment of	f fee(s)	1804	920*	1804	920-	Requesting publication of SIR prior to Examiner action	
· ·	• •	elow, except for the filing	fee	1805	1,840*	1805	1,840*	Requesting publication of SIR after	
to the above-io	lentified deposi	t account.		4054	440	0054		Examiner action	$\vdash$
	FEE C	ALCULATION		1251	110	2251	55	Extension for reply within first month  Extension for reply within second month	
1. BASIC F				1252 1253	420 950	2252 2253	210		
Large Entity \$ Fee Fee	Small Entity  Fee Fee	Fee Description	Fee Paid		1,480	2253		Extension for reply within third month	
Code (\$)	Code (\$)					ł	740	Extension for reply within fourth month	
1001 770	2001 385	Utility filing fee	770	i	2,010	2255	•	Extension for reply within fifth month	
1002 340	2002 170	Design filing fee		1401	330	2401		Notice of Appeal	$\vdash$
1003 530	2003 265	Plant filing fee		1402	330	2402		Filing a brief in support of an appeal	
1004 770	2004 385	Reissue filing fee		1403	290	2403		Request for oral hearing	<b></b>
1005 160	2005 80	Provisional filing fee	<u> </u>		1,510	1451		Petition to institute a public use proceeding	<del></del>
	ا 3	SUBTOTAL (1) (\$) 7	70.00	1452	110	2452		Petition to revive - unavoidable	
2 FXTRA	CLAIM FEE	S FOR UTILITY ANI	D REISSUE		1,330	2453		Petition to revive - unintentional	
		Fee fro	m		1,330	2501		Utility issue fee (or reissue)	
Total Claims	52 -20	Extra Claims below  == 32 X 18	576	1502 1503	480 640	2502 2503		Design issue fee Plant issue fee	$\vdash$
Independent Claims	4 - 3		86	1460	130	1460		Petitions to the Commissioner	
Multiple Depe	ndent		i	1807	50	1807			$\vdash$
Large Entity	Small Entity	,						Processing fee under 37 CFR 1.17(q)	$\vdash \vdash \vdash$
Fee Fee	Fee Fee	Fee Description		1806	180	1806		Submission of Information Disclosure Stmt Recording each patent assignment per	
Code (\$) 1202 18	Code (\$) 2202	9 Claims in excess of 20	1	8021	40	8021	1 40	property (times number of properties)	
1202 18	2202 4	•		1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1203 290	2203 14	5 Multiple dependent cla	im, if not paid	1810	770	2810	385	For each additional invention to be	
1204 86	2204 43	3 ** Reissue independer over original patent	nt claims	1801	770	2801	385	examined (37 CFR 1.129(b))  Request for Continued Examination (RCE)	
1205 18	2205 9	• .		1802	900	1802	900	• •	
SUBTOTAL (2) (\$) 662.00			Other fee (specify)						
**or numbe		id. if greater: For Reissues		*Redu	iced by	Basic I	Filing F	ee Paid SUBTOTAL (3) (\$)	

SUBMITTED BY			(Complete (if applicable))
Name (Print/Type)	Brian G. Hart	Registration No. (Attorney/Agent) 44,421	Telephone (509) 324-9256
Signature	Gran Hant		Date 12/08/03

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